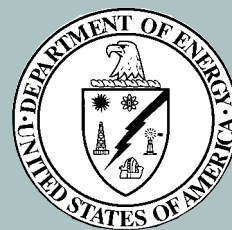


Standards Actions— February 2002

Visit the Technical Standards
Program Web Site at
<http://tis.eh.doe.gov/techstds/>.

Standards Actions



DOE Technical Standards Program Document Status

01-31-2002

Activity Summary

In Conversion – 4

In Preparation – 44

Out for Comment – 16

Published this Month – 0



FY 2002 5-year Sunset

Review Status

Revision in Progress – 10

Reaffirmation in Progress – 8

Cancellation Pending – 5

Cancellation in Progress – 1

No Current Action – 23

DOE Technical Standards Project Initiated

If you have any questions or are interested in participating in the development of this standard, please contact the representative listed below. Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web Site (<http://tis.eh.doe.gov/techstds/>). To access these lists from the home page, click on "DOE Technical Standards," then click on "Projects" in the left-hand frame to show the links to the project lists.

The following DOE Technical Standards project was recently initiated:

- *Nuclear Air Cleaning Handbook*, Project Number SAFT-0084, revision to ERDA 76-21, James Slawski, U.S. Department of Energy, NA-53; 301-903-5464; Fax 301-903-7065, James.Slawski@nnsa.doe.gov.

DOE Technical Standards Project Discontinued

The following DOE Technical Standards project was recently discontinued.

- *Radiological Contamination Control Training for Laboratory Research*, Project Number TRNG-0022, revision/update to DOE-HDBK-1106-97, Peter O'Connell, U.S. Department of Energy, EH-52; 301-903-5641, Fax 301-903-7773, Peter.O'Connell@eh.doe.gov. The standard will be reaffirmed with errata instead of being updated through the revision process. If you have any questions on this action, please contact the author.

DOE Technical Standards Proposed for Reaffirmation

The Preparing Activity (EH-53) believes the standards below to be technically current and recommend they be reaffirmed with errata. The errata include minor changes; the standards and errata are posted on the TSP Web Site. If you wish to comment on these documents or have any questions, please contact Harish Chander, U.S. Department of Energy, EH-53, 301-903-6681, Harish.Chander@eh.doe.gov. Comments are due by February 25, 2002.

The following DOE Technical Standards are proposed for reaffirmation with errata.

- DOE-STD-1021-93, *Natural Phenomena Hazards Performance Categorization Guidelines for Structures, Systems, and Components*
- DOE-STD-1022-94, *Natural Phenomena Hazards Site Characterization Criteria*
- DOE-STD-1023-95, *Natural Phenomena Hazards Assessment Criteria*

DOE Technical Standards Recently Published

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 1-800-473-4375, Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

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Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ANS 3.4-1996, *Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants* (reaffirmation of ANSI/ANS 3.4-1996) – March 12, 2002.
- ANS 8.5, *Design Requirements for New Fuel Storage Facilities at Light Water Reactor Plants* (revision of ANSI/ANS 8.5-1996) – February 26, 2002.
- ANS 16.1, *Measurement of the Leachability of Solidified Low-Level Radioactive Wastes by a Short-Term Test Procedure* (new standard) – February 26, 2002.
- ASME BPVC Revision: 2002 Addenda, *ASME Boiler and Pressure Vessel Code* (revision of ANSI/ASME BPVC Revision: 2001 Edition) – February 25, 2002.
- N13.25, *Internal Dosimetry Programs for Plutonium Exposure-Minimum Requirements* (new standard) – March 12, 2002.
- N43.17, *Radiation Safety for Personnel Security Screening Systems Utilizing Ionizing Radiation* (new standard) – March 12, 2002.
- NFPA 55, *Standard for the Storage, Use, and Handling of Compressed and Liquefied Gases in Portable Cylinders* (revision of ANSI/NFPA 55-1998) – February 26, 2002.
- NFPA 75, *Standard for the Protection of Electronic Computer/Data Processing Equipment* (revision of ANSI/NFPA 75-1999) – February 26, 2002.
- NFPA 80, *Standard for Fire Doors and Fire Windows* (revision of ANSI/NFPA 80-1999) – February 26, 2002.
- NFPA 801, *Standard for Fire Protection for Facilities Handling Radioactive Materials* (revision of ANSI/NFPA 801-1998) – February 26, 2002.
- NFPA 1989, *Standard on Breathing Air Quality for Fire and Emergency Services Respiratory Protection* (new standard) – February 26, 2002.
- UL 508C, *Standard for Safety for Power Conversion Equipment* (revision of ANSI/UL 508C-2000) – February 25, 2002.
- UL 1561, *Standard for Safety for Dry-Type General Purpose and Power Transformers* (new standard) – February 11, 2002.
- UL 1585, *Standard for Safety for Class 2 and Class 3 Transformers* (new standard) – February 11, 2002.

The following American National Standards have been approved for publication (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.):

- ANSI/API 8B/ISO 13534-2000, *Recommended Practice for Procedures for Inspections, Maintenance, Repair, and Remanufacture of Hoisting Equipment* (new national adoption) – November 30, 2001.
- ANSI/ASHRAE 125-1992 (R2000), *Method of Testing Thermal Energy for Liquid Streams in HVAC Systems* (reaffirmation of ANSI/ASHRAE 125-1992) – November 30, 2001.
- ANSI/ASTM A765/A765M-01, *Specification for Carbon Steel and Low-Alloy Steel Pressure-Vessel-Component Forgings with Mandatory Toughness Requirements* (revision of ANSI/ASTM A765/A765M-98a) – October 10, 2001.
- ANSI/ASTM D2786-96 (R01), *Test Method for Hydrocarbon Types Analysis of Gas-Oil Saturates Fractions by High Ionizing Voltage Mass Spectrometry* (reaffirmation of ANSI/ASTM D2786-92 (R1996)) – November 10, 2001.
- ANSI/ASTM D6728-01, *Test Method for Determination of Contaminants in Gas Turbine and Diesel Engine Fuel by Rotating Disc Electrode Atomic Emission Spectrometry* (new standard) – November 10, 2001.
- ANSI/ASTM E1776-01, *Guide for Development of Fire-Risk-Assessment Standards* (revision of ANSI/ASTM E1776-96) – November 10, 2001.

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- ANSI/ASTM F1471-93 (R01), *Test Method for Air Cleaning Performance of a High-Efficiency Particulate Air-Filter System* (reaffirmation of ANSI/ASTM F1471-93) – November 20, 2001.
- ANSI/EIA 364-04-2001, TP-04, *Normal Force Test Procedure for Electrical Connectors* (new standard) – December 17, 2001.
- ANSI/UL 61496-1-2001, *Electro-Sensitive Protective Equipment, Part 1: General Requirements and Tests* (new national adoption) – December 13, 2001.
- ANSI/UL 61496-2-2001, *Standard for Safety for Electro-Sensitive Protective Equipment, Part 2: Particular Requirements for Equipment Using Active Opto-electronic Protective Devices* (new national adoption) – December 17, 2001.

The following international standards are currently in coordination (comment due dates follow each entry):

- ISO/DIS 7097-1, *Nuclear fuel technology – Determination of uranium in solutions, uranium hexafluoride and solids – Part 1: Iron (II) reduction/potassium dichromate oxidation/titrimetric method* – March 21, 2002.
- ISO/DIS 7097-2, *Nuclear fuel technology – Determination of uranium in solutions, uranium hexafluoride and solids – Part 2: Iron (II) reduction/cerium (IV) oxidation/titrimetric method* – March 21, 2002.
- ISO/DIS 17874-1, *Remote handling devices for radioactive materials – Part 1: General requirements* – April 4, 2002.
- ISO/DIS 18073, *Water quality – Determination of tetra- to octa-chlorinated dioxins and furans – Method using isotope dilution GC/MS* – April 4, 2002.
- prEN 1073-2, *Protective clothing against radioactive contamination – Part 2: Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination* (for information).
- prEN 12952-7, *Water-tube boilers and auxiliary Installations – Part 7: Requirements for equipment for the boiler* (for information).
- prEN 12952-10, *Water-tube boilers and auxiliary installations – Part 10: Requirements for safeguards against excessive pressure* (for information).
- prEN ISO 5199 REVIEW, *Technical specifications for centrifugal pumps – Class II* (ISO/FDIS 5199:2001) (for information).

The following newly published international standards are available:

- ISO 8518:2001, *Workplace air – Determination of particulate lead and lead compounds – Flame or electrothermal atomic absorption spectrometric method*.
- ISO 12790-1:2001, *Radiation protection – Performance criteria for radiobioassay – Part 1: General principles*.

- ISO 14152:2001, *Neutron radiation protection shielding – Design principles and considerations for the choice of appropriate materials*.
- IEC 61010-2-081 Ed. 1.0 b:2001, *Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Concrete Institute

Office: 38800 Country Club Drive
Farmington Hills, MI 48331
Fax: (248) 848-3720
Contact: Shannon Banchemo,
shannon.banchemo@aci-int.org

- ACI 359, *Code for Concrete Reactor Vessels and Containment* (new standard).

American Society for Testing

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428
Fax: (610) 832-9666
Contact: George Luciw, gluciw@astm.org

- ASTM Z9189Z, *Practice for Record Keeping, Report Writing, and Record Preservation for Lead Hazard Identification and Management Activities* (new standard).

National Fire Protection Association

Office: One Batterymarch Park
Quincy, MA 02269-9101
Fax: (617) 770-3500
Contact: Casey Grant, cgrant@nfpa.org

- NFPA 70, *National Electrical Code®* (revision of ANSI/NFPA 70-2002).
- NFPA 70E, *Standard for Electrical Safety Requirements for Employee Workplaces* (revision of ANSI/NFPA 70E-2000).
- NFPA 551, *Guide for the Evaluation of Fire Risk Assessments* (new standard).
- NFPA 853, *Standard for the Installation of Stationary Fuel Cell Power Plants* (revision of ANSI/NFPA 853-2000).

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- NFPA 1620, *Recommended Practice for Pre-Incident Planning* (revision of ANSI/NFPA 1620-2000).
- NFPA 1994, *Standard on Protective Ensembles for Chemical/Biological Terrorism Incidents* (revision of ANSI/NFPA 1994-2001).

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) International are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (Fax 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (Fax 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (Fax 610-832-9666). Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM International standards are currently in coordination (the due date for all items is February 10, 2002):

- D 5792-95, *Practice for Generation of Environmental Data Related to Waste Management Activities; Development of Data Quality Objectives* (revised standard).
- New standard, *Practice for Sampling Soils and Contaminated Media with Bucket Augers* (Ref. Z9167Z).

The following newly published standards are available from ASTM International:

- A 414/A 414M-01, *Specification for Steel, Sheet, Carbon, for Pressure Vessels* (revised standard).
- A 479/A 479M-01, *Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels* (revised standard).
- C 1502-01, *Test Method for Determination of Total Chlorine and Fluorine in Uranium Dioxide and Gadolinium Oxide* (new standard).
- C 1507-01, *Test Method for Radiochemical Determination of Strontium-90 in Soil* (new standard).
- C 1508-01, *Test Method for Determination of Bromine and Chlorine in UF₆ and Uranyl Nitrate by X-Ray Fluorescence (XRF) Spectroscopy* (new standard).
- C 1052-01, *Practice for Bulk Sampling of Liquid Uranium Hexafluoride* (revised standard).

- C 1310-01, *Test Method for Determining Radionuclides in Soils by Inductively Coupled Plasma-Mass Spectrometry Using Flow Injection Preconcentration* (revised standard).
- C 1415-01a, *Test Method for ²³⁸Pu Isotopic Abundance by Alpha Spectrometry* (revised standard).
- D 2922-01, *Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods Shallow Depth* (revised standard).
- D 3017-01, *Test Method for Water Content of Soil and Rock in Place by Nuclear Methods Shallow Depth* (revised standard).
- E 721-01, *Guide for Determining Neutron Energy Spectra from Neutron Sensors for Radiation-Hardness Testing of Electronics* (revised standard).
- E 853-01, *Practice for Analysis and Interpretation of Light-Water Reactor Surveillance Results, E706 (Ia)* (revised standard).
- E 910-01, *Test Method for Application and Analysis of Helium Accumulation Fluence Monitors for Reactor Vessel Surveillance, E706 (Iiic)* (revised standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, Richard.Serbu@eh.doe.gov.

Addresses: *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). To update your mailing and e-mail addresses, please contact Amy Bush, ORNL, 865-576-2395, Fax 865-574-8481, bushar@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-576-2395, bushar@ornl.gov.